

China's Massive Amount of Immunotoxic 5G Networking and the Wuhan Coronavirus: The Emperor's New Virus

Could there be a link between the Coronavirus and 5G? Researcher and building biologist Paul Doyon has just spent the last 18 months in China. He's written a brilliant article laying out the evidence. And how you can protect yourself—an EMF based pro

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By Paul Doyon

Could there be a link between the Coronavirus and 5G? Researcher and building biologist Paul Doyon has just spent the last 18 months in China. He's written a brilliant article laying out the evidence. And how you can protect yourself—an EMF based protection strategy.

Warning: this is a heavy science-based article with nearly 100 references to studies—neither Paul or myself want to be accused of fear-mongering.

My heart goes out to China and to all its people who have suffered so much due to this new “novel” Wuhan coronavirus outbreak (COVID-19).

However, as someone who had become very sick and had his immune system break down and was sick for six months looking for answers before even suspecting that living in close vicinity to several cell phone towers was actually what was causing the problem and making him sick, I feel I cannot in good conscience remain silent, and I strongly suspect that China and the rest of the world are looking under the wrong stone for what is actually the problem here.

At the moment, with 10,000 recently installed 5G antennas plastering its city, Wuhan is probably one of the most 5G-electro-polluted cities on the planet.

Electrosmog Warnings from Scientists for Over 40 Years

Respected scientists, researchers, doctors, and activists have been — for over forty years — warning us about the dangers of wireless radiation and electromagnetic fields. In 1977, the reporter Paul Brodeur published a book called ***The Zapping of America***; in 1985, the late Dr. Robert O. Becker (twice nominated for the Nobel Prize in Medicine for his work on cellular dedifferentiation and re-differentiation in the healing process) wrote ***The Body Electric***, and later published *Cross Currents: **The Perils of Electropollution, The Promise of Electromedicine*** in 1990; in 1995 (and again later in 2007), B. Blake Levitt, author and researcher, published ***Electromagnetic Fields: A Consumer's Guide to the Issues and How to Protect Ourselves***. Since then there have been a slew of other books and documentary movies put out on the subject. And the list goes on and on.

Dr. Leif Stafford, Swedish neuro-oncologist, has called this wireless rollout “***the largest biological experiment ever.***”¹

And Dr. Robert O. Becker wrote in 1985:

“The dangers of electropollution are real and well documented. It changes, often pathologically, every biological system [emphasis added]. What we don`t know is exactly how serious these changes are, for how many people. The longer we as a society, put off a search for that knowledge, the greater the damage is likely to be and the harder it will be to correct. (p. 304)²

And finally, Dr. Martin Pall, PhD, and Professor Emeritus of Biochemistry and Basic Medical Sciences at Washington State University has stated recently that

“Putting in tens of millions of 5G antennae without a single biological test of safety has got to be about the stupidest idea anyone has had in the history of the world.”³



At least 10,000 5G Antennas Installed in Wuhan Alone

What has not been apparent in the news reports is the fact that China in its rush to take the lead in the 5G race, had by the end of 2019 (and mostly within the last several months leading up to the COVID-19 outbreak) installed 130,000 5G antennas throughout the country, ³¹ with at least 10,000 antennas installed in Wuhan alone. ³² (As a comparison, the USA only has approximately 10,000 5G antennas presently installed throughout the whole country.)

“Wuhan City, the capital of Hubei, is expected to have 10,000 5G base stations by the end of 2019...” ³²

“According to previous reports, the three operators were expecting to operate nearly 130,000 5G base stations by the end of 2019.”

Wuhan: One of the Initial Cities Trialing 5G

In fact, Wuhan was one of the initial 16 cities selected to trial 5G back in 2018.

China Unicom will begin testing 5G network in 16 cities including Beijing, Tianjin, Qingdao, Hangzhou, Nanjing, **Wuhan**, Guiyang, Chengdu, Shenzhen, Fuzhou, Zhengzhou, and Shenyang.

China Mobile will conduct external field test and set up more than a hundred 5G base stations in each of the following five cities: Hangzhou, Shanghai, Guangzhou, Suzhou, and **Wuhan**.³⁴

From the article, “Wuhan 5G Industry Development: Five-Chain Coordination, Three-Wheel Drive,” (武汉5G产业发展：五链统筹 三轮驱动),³⁵ (written in Chinese) published October 11th, 2019, it becomes clear that Wuhan was in a race with other Chinese cities to position itself at the forefront of 5G technology, and with approximately 10,000 5G antennas, is probably one of — if not the most — 5G-radiated city in China:

At present, Wuhan is seizing major developmental opportunities in 5G commercialization, with the construction of a national first-class 5G network as a guide, with the development of a national first-class 5G industry as the main body....

...Wuhan City has fully implemented the “Wuhan 5G Base Station Planning and Construction Implementation Plan,” with an extraordinary policy effort, to guide and support basic telecommunications companies and China Tower Corporation to accelerate the construction of 5G networks. ***This year and next, Wuhan will build more than 20,000 5G base stations***, form a 5G basic network with leading scale, first-class quality, and strong demonstration to ensure full coverage of the 5G network in the city and be at the leading level among similar cities in the country.³⁵

Finally, it was stated in an article titled “5G network coming to Wuhan,” (April 16, 2018), that **“3,000 macro base stations and 27,000 micro base stations” would soon be constructed, and that by 2020**, the “5G network will cover every corner of the city and be available at an affordable price.”³⁶ This means that there may in fact be a lot more than just 10,000 antennas in Wuhan, though 10,000 alone would make Wuhan one of the most 5G concentrated cities in the world.

5G Systems Deployed in Hospitals

What is also concerning here is that China has, since about November of 2019, been

installing 5G systems in its hospitals. ^{37 38 39 40}

“Key Chinese hospitals, leading telecom carriers and Huawei Wednesday launched a project to establish standards for 5G-based networks in hospitals.” ³⁷

“China released a pioneering standard for its 5G hospital networks, following a joint drafting and verification process between the medical and telecommunication industries.” ³⁸

5G Systems Installed at Wuhan Coronavirus Hospitals

And to seemingly add insult to injury here, Huawei was very quick to install 5G systems in the new coronavirus hospitals — Wuhan Volcan Mountain Hospital and Thunder Mountain Hospital — the two hospitals known for only being built in just over a week. ^{41 42}

The two articles cited here are ironically titled, (1) “Huawei installs 5G in China Hospital to fight Coronavirus,” and (2) “Huawei builds 5G in Wuhan Hospital, aims to indirectly fight the Coronavirus” as this might very well be the complete opposite of what they are indeed intending to do here. There is also an interesting video on YouTube entitled “Chinese hospitals deploy robots to help medical staff fight coronavirus outbreak,” ⁴³ demonstrating this in action.

Chinese Telecoms Started Offering 5G Commercially in Nov, 2019

The Chinese telecom companies started to offer commercial 5G services to its customers on the first of November last year.

China’s three major wireless carriers— **China Mobile, China Unicom , and China Telecom** —will begin selling 5G services to consumers on Friday, November 1st in 50 major cities, including Beijing and Shanghai, said Chen Zhaoxiong, vice minister of the Ministry of Industry and Information Technology on Thursday October 31st at a Beijing conference....

The Chinese government has made building 5G a national priority, clearing red tape and reducing costs so the three wireless providers introduce the new technology as swiftly as possible.

“They’ve made this a national priority. It’s part of the [Communist] Party’s ability to show that it’s delivering the goods,” said Paul Triolo, head of geo-technology at the Eurasia Group consultancy. ***“And in the middle of the trade dispute and the actions against Huawei, it’s even more important for China to show that they are continuing to move forward despite all these challenges,”*** he added....

China’s central government wants 5G coverage extended to cover all of Beijing, Shanghai, Hangzhou and Guangzhou by the end of the year. The country’s largest carrier, China Mobile, which has 900 million cellphone subscribers, says it will be able to offer 5G services in more than 50 cities this year....

Approximately 13,000 5G base stations have been installed in Beijing, [the communications administration](#) said this week. About 10,000 are already operating. ***China already has a total of more than 80,000 5G macro base stations,*** typically cellular towers with antennas and other hardware that beam wireless signals over wide areas, government officials said. See [this article on 5G towers](#).

They said China will end the year with about 130,000, while Bernstein Research estimates South Korea will be in second place with 75,000, followed by the U.S. with 10,000. Piper Jaffray estimated that of the 600,000 5G base stations expected to be rolled out worldwide next year, half will be in China. ³¹

This basically means that China had suddenly turned on the 5G switch, just less than two months before the COVID-19 outbreak, suddenly blanketing many cities with this 5G wireless radiation. ***And as of this writing, South Korea’s numbers of COVID-19 cases are also starting to skyrocket.***

As we can see from the above article, ***South Korea has the second highest number of 5G antennas with 75,000. That is a lot for a country its size.*** Is there a connection? I think there is with at present (Feb. 29, 2020) also the ***highest number of coronavirus cases (3150) and one of the highest number of death rates (17) outside of China.***

Electromagnetic Fields (EMFs) and the Immune System

Wireless radiation from 1G to 5G have all emitted modulated “Radiofrequency (RF) electromagnetic fields (EMFs)” and there are literally thousands of studies showing

biological effects from exposures to man-made electromagnetic waves, and out of these, hundreds showing biological effects on the immune system.

To give just one example, research by Kolomytseva, et al. (2002) described in the paper, “***Suppression of nonspecific resistance of the body under the effect of extremely high frequency electromagnetic radiation of low intensity,***”⁶¹ found that with

whole-body exposure of healthy mice to low-intensity extremely-high-frequency electromagnetic radiation (EHF EMR, 42.0 GHz, 0.15 mW/cm², 20 min daily)... phagocytic activity of peripheral blood neutrophils was suppressed by about 50% (p < 0.01 as compared with the sham-exposed control) in 2-3 h after the single exposure to EHF EMR...and that this...effect persisted for 1 day after the exposure, and then the phagocytic activity of neutrophils returned to the norm within 3 days.

And furthermore, a significant modification of the leukocyte blood profile in mice exposed to EHF EMR for 5 days was observed after the cessation of exposures: the number of leukocytes increased by 44% (p < 0.05 as compared with sham-exposed animals), mostly due to an increase in the lymphocyte content.

They concluded that, the results indicated that the whole-body exposure of healthy mice to low-intensity EHF EMR has a profound effect on the indices of nonspecific immunity.

In a paper⁶² (written by myself along with Prof. Olle Johansson of the Karolinska Institute) — which I believe offers the most solid hypothesis to date on the main mechanisms by which EMFs do in fact disable the immune system — a number of these related to immune system effects can be found listed in the citations.

Johansson (2012) further details, in Section 8 of the [*BioInitiative*](#), “Evidence for EMF Effects on the Immune System,”⁶³ numerous studies demonstrating those effects, especially with regards to how radiofrequency EMFs alter the immune system.

In the previously mentioned Aljazeera article,¹⁸ it is stated that a study published in the medical journal, The Lancet, on January 24th, found what it called a “cytokine storm” in infected patients who were severely ill. The condition is a severe immune reaction in which the body produces immune cells and proteins that can destroy other organs.

Hence, it should be noted here that there are, in fact, numerous research studies showing an EMF effect on cytokines: A PubMed search, for example, produced 119 search results.⁶⁴

Back in 1998, a biologist named Roger Coghill conducted an experiment where he “took white blood cells, known as lymphocytes, from a donor,” and kept them alive via the use of nutrients while exposing them to either cell phone radiation or the natural electromagnetic field of the human body.

He discovered that ***of the immune cells exposed to cell phone radiation, only 13% remained undamaged and able to function properly***; whereas, of cells exposed only to body’s natural electromagnetic field, 70% remained undamaged and able to function properly. Naturally, while his research did provide insight, he was attacked and criticized by the wireless industry for being “unscientific.”

Dr. Robert O. Becker (1985) wrote of how the immune system is weakened by manmade electromagnetic fields via the induction of “subliminal stress”:

Initially, the stress activates the hormonal and/or immune systems to a higher than normal level, enabling the animal to escape danger and combat disease. If the stress continues, hormone levels and immune reactivity gradually decline to normal. If you stop your experiment at this point, you’re apparently justified in saying, “The animal has adapted; the stress is doing no harm.”

Nevertheless, if the stressful conditions persist, hormone and immune levels decline further, well below normal. In medical terms, stress decompensation has set in, and now the animal is now more susceptible to other stressors, including malignant growth and infectious diseases.

... One aspect of the syndrome was very puzzling. When undergoing these hormonal changes, an animal would normally be aware that its body was under attack, yet, as far as we could tell, the rabbits were not. They showed no outward signs of fear, agitation, or illness. Most humans certainly wouldn’t be able to detect a 100-gauss magnetic field, at least not consciously. Only several years after Friedman’s work did anyone find out how this is happening.

In 1976 a group under J. J. Noval at the Naval Aerospace Medical Research Laboratory at Pensacola, Florida, found the slow response in rats from very weak electric fields, as low as five thousandths of a volt per centimeter. They discovered that when such fields vibrated in the ELF range, the increased levels of the neurotransmitter acetylcholine in the brainstem, apparently in a way that activated a distress signal subliminally, without the animal’s

becoming aware of it. The scariest part was that the fields Noval used were well within the background levels of a typical office, with its overhead lighting, typewriters, computers, and other equipment. Workers in such an environment are exposed to electric fields between a hundredth and a tenth of a volt per centimeter and magnetic fields between a hundredth and a tenth of a gauss. (pp. 277-278) ²

5G Is Much More Powerful and Dangerous Than Its Predecessors

The 5G rollout — either the trialing stage or implementation stage — has already started in most major developed countries of the world, with majority of the rest seemingly preparing for its debut.

The European Commission has asked each member state to select one city to be 5G-ready by 2020 as part of the EU's 5G Action Plan for a Digital Single Market. The European Commission has asked EU member countries to start trialing 5G in at least one city making it 5G ready by 2020 under its "5G Action Plan for a Digital Single Market."

Belgium refused — even the trialing phase, not to mention the implementation phase — due to the higher radiation levels that the 5G would bring, which was way above what its radiation standards permitted. Switzerland started with both trials and implementation, but put a halt to further rollout, due to all the complaints about the health effects it was getting. Other countries seemingly just lowered their standards probably because they could not resist the next best thing to Ben & Jerry's Chunky Monkey Ice Cream. And the USA and China have seemingly been in a 5G race to blanket their countries in this 5G radiation (and most likely inadvertently the coronavirus), with China now seemingly winning on both those fronts.

5G has been divided into low, mid, and high bandwidths. The low-to-mid-bandwidth frequencies "are contiguous and range from 600 MHz to 6 GHz," ⁶⁶ and have been used for 1G-4G for the past forty years. On the other hand, the higher-frequency millimeter wave bandwidths are new frequencies starting at approximately 24 GHz (in the US anyway) and have not been used for commercial cell phone service in in the USA until recently with the advent of these commercial 5G services.

For the most part, at present, most 5G is now in the low to mid bandwidth range, with limited high millimeter wave coverage, though that will probably change as the technology develops and is implemented. Also, 5G technology is being implemented alongside with and piggybacking on already-in-place 4G technology. The 5G technology brings with it both

larger macro-base stations and smaller micro-base stations installed between the larger macro-base stations. And because these micro-base stations are often closer to people's homes in residential areas, according to Building Biology Certified Electromagnetic Radiation Specialist (EMRS), Oram Miller, we are now measuring higher RF levels in client's homes, especially in second story bedrooms, up to tens to hundreds of thousands of microWatts/meter squared ($\mu\text{W}/\text{m}^2$) from these new antennas, whereas, the building biology profession and EMF experts around the world say 10 micro-Watts per meter squared or less is safe for sleeping areas (actually, $0.1 \mu\text{W}/\text{m}^2$ is our "No Anomaly" level for sleeping areas).

Furthermore, as we have gone up the spectrum from 1G to 5G, with each new generation there has been increased modulation, and increased modulation means increased biological effects and biological harm for all life on this planet. 5G is no exception.

All of these advanced technologies push more cell signals into the same airspace at faster speeds with far more modulation than current 4G cell technologies.

And this modulation of cell signals transmitted in the low and mid bands from new 5G and 4G LTE-Advanced small cell radios and antennas popping up everywhere probably accounts for the majority of people living near these antennas who report the onset of health symptoms not experienced previously.

Dr. Martin Pall, Ph.D. (Professor Emeritus of Biochemistry and Basic Medical Sciences, Washington State University), — who brought the world's attention to the fact that EMFs cause biological harm via the opening up voltage-gated calcium channels (VGCC), allowing for excessive flow of calcium ions inside the cell and the prompting of nitric oxide (N.O.) production via the stimulation of the enzyme nitric oxide synthase to form a host of reactive oxygen species via downstream effects ⁶⁷ — has warned that the rollout of 5G will have massive deleterious effects on the world's population, not to mention all life forms. He believes that 5G will be much more dangerous for the following reasons:

1. The extraordinary high numbers of antennae that are planned.
2. The very high energy outputs which will be used to ensure penetration.
3. The extraordinary high pulsation levels.
4. The apparent high-level interactions of the 5G frequency on charged groups presumably including the voltage sensor charged groups. ⁶⁸

In a recent paper of his titled "Massive Predicted Effects of 5G," (Dec. 17, 2019) ⁶⁹ Pall states

that “given the high pulsation level for 5G radiation, even short exposures may well produce severe biological effects,” not to mention the power densities of up to 30 times higher than previous systems of 1G to 4G and with penetration being enhanced via the magnetic component. He is predicting that with the full-fledged turning on of 5G (versus just its trial phase, where there is little communication yet happening with the 5G), that we will be seeing

- (1) decreased human reproduction,
- (2) lowered collective brain function,
- (3) very early-onset Alzheimer’s,
- (4) increased autism and ADHD,
- (5) deterioration of the human gene pool, and
- (6) massive increases in cardiac arrests.

While following the rollout of 5G, he has tracked numerous signs of its biological effects. For example, he has outlined increases in neuropsychiatric effects, cardiac effects, and electromagnetic hypersensitivity, taken from Swiss online articles,^{70 71} as what we are already starting to see with the advent of this technology:

- Increases in insomnia, tinnitus, headaches, inability to concentrate, and fatigue.
- Increases in electromagnetic hypersensitivity (EHS).
- Increases in cardiac arrhythmias.

He reports that while these effects had been reported before with occupational exposure studies and smart meter studies,

“the effects appear to be much more severe following [the rollout of] 5G” with “even more severe apparent [yet to be published] 5G neuropsychiatric effects [appearing] in Southern California,” with their own recent massive rollout of 5G.

Furthermore, he states that

“we have every reason to believe that any full-fledged 5G system, communicating with the ‘internet of things (IoT)’ will produce still vastly greater effects than any of these initial findings.”

This might very well be what we are seeing in the city of Wenzhou City, Zhejiang Province, in China — which has already implemented this technology along with the 5G — with extraordinary high rates of the coronavirus, and who knows what other increases in health effects (e.g. increases in heart problems, blindness, electromagnetic hypersensitivity, etc.) there have been that have not been made public.

He goes onto further outline — in correlation with 5G testing — UK 5G ambulance service suicides, ⁷² cases of panic in cattle in the Netherlands, ⁷³ and bizarre, aggressive behavior in cattle and sheep in Germany, ⁷⁴ birth defects in Germany and France, ^{75 76} and hundreds of birds dropping from the sky due to sudden cardiac arrest during three days of 5G testing in a park near Rotterdam, ⁷⁷ and the list goes on and on to also include insect death and increases in fires in South Korea. ^{78 79m} <<SNIP>>

Conclusion

China is a great country with an amazing populace who have made astounding advancements creating a very sophisticated modern country in the last ten years, surpassing many other modern countries in many ways. However, given the facts that

1. We have real data that shows indeed that wireless radiation impacts the immune system;
2. we have numerous patients outside of the 5G zone showing no or only mild symptoms,
3. there have recently been 10,000 5G antennas installed and turned on in Wuhan, not to mention 130,000 5G antennas installed throughout greater China;
4. there have recently been 5G systems installed in numerous hospitals in China, not to mention the new COVID-19 hospitals;
5. we are seeing higher numbers of COVID-19 infections in places like Hangzhou and Wenzhou, not to mention South Korea, etc. where they have also recently installed numerous 5G antennas; and
6. there has been no testing done to find out the biological implications of exposing life forms to this radiation;

We can conclude that the real problem here may very well in fact be with the 5G electromagnetic radiation weakening people's immune systems, not to mention possibly making the virus itself more virulent.

And if this is true and if China does not change course, 5G might very well become its — and the rest of the world's - Titanic with the COVID-19 (and others like it) its icebergs.

Maybe this is what people really need to start worrying about and perhaps it is time for the Chinese government, as well as governments throughout the world to seriously investigate

and address 5G possible health effects and put a halt to the premature rollout of 5G technology until they can prove that it is safe (which I doubt they can) and until, safer alternatives can be developed.

The government in Belgium never implemented it and there was talk of the government of Switzerland putting a halt on the 5G rollout, ⁸⁷ but they now seem to be going ahead with it. ⁸⁸ And it seems like, unless people wake up to this, China will certainly be following a similar path.

I am sorry to have to rain on your electromagnetic parade here, but it might actually very well be your 5G that is contributing to making everybody sick.

“The only people angry at you for speaking the Truth, are those living a lie. Keep on speaking it.”— Unknown

“All truth passes through three stages: First, it is ridiculed. Second, it is violently opposed. Third, it is accepted as self-evident.” — Arthur Schopenhauer

Many thanks to Paul Doyon for this guest post.

Paul Doyon is a researcher, writer, and teacher and educator of 33 years, who inadvertently became involved in researching the EMF issue after becoming sick in 2005, whilst living in the vicinity of several cell phone towers. He has spent 27 years of his adult life living outside his home country of the USA, teaching English as a Foreign Language (EFL) and English as a Second Language (ESL), mostly at the university, college, and in international school levels.

Paul is a Building Biology Practitioner (BBP) and Electromagnetic Radiation Specialist (EMRS) with the [International Institute for Building Biology and Ecology](#) (IBE). He is also the founder of the website [EMF Refugee](#).

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